| 3200 Shop                 | Total Pounds | Chromium  |           | Copper | Manganese |       | Sulfur | Silicon   | Molybdenum             | Trace     |
|---------------------------|--------------|-----------|-----------|--------|-----------|-------|--------|-----------|------------------------|-----------|
| 1304<br>1304H             | 1,967,989    | 373,918   | 177,119   | -      | 39,360    | 886   | 590    | 196,799   |                        | 1,179,317 |
|                           | 58,370       | 11,090    | 5,253     |        | 1,167     | 26    | 18     | 5,837     |                        | 34,978    |
| T304L<br>T316             | 2,970,628    | 564,419   | 267,356   |        | 59,413    | 1,337 | 891    | 297,063   |                        | 1,780,149 |
|                           | 948,006      | 161,161   | 113,761   |        | 18,960    | 427   | 284    | 94,801    | 23,700                 | 534,913   |
| 1316 (.04 MIN CA<br>1316L |              | 4,943     | 593       |        | 581       | 13    | 9      | 2,907     | 727                    | 19,301    |
| 316L (2.75% MC            | 4,847,161    | 824,017   | 98,882    |        | 96,943    | 2,181 | 1,454  | 484,716   | 121,179                | 3,217,788 |
|                           | 88,654       | 15,071    | 1,809     |        | 1,773     | 40    | 27     | 8,865     | 2,438                  | 58,632    |
| 7317L                     | 487,840      | 92,690    | 68,298    |        | 9,757     | 220   | 146    | 48,784    | 17,074                 | 250,871   |
| 3098                      | 0            | 0         | 0         |        | 0         | 0     | 0      | 0         | , in the second second | 0         |
| 3108                      | 176          | 44        | 25        |        | 4         | 0     | 0      | 26        |                        | 77        |
| 321                       | 56,601       | 10,754    | 6,226     |        | 1,132     | 25    | 17     | 5,660     |                        | 32,786    |
| 347                       | 5,210        | 938       | 573       |        | 104       | 2     | 2      | 521       |                        | 3,070     |
| AST 276                   | 691          | 138       | 401       |        | 7         | 0     | 0      | 69        |                        | 76        |
| ALLOY 20                  | 43           | 9         | 16        |        | 0         | 0     | 0      | 4         |                        | 13        |
| OTHER HAST                | 15           | 3         | 9         |        | 0         | 0     | 0      | 2         |                        | 1         |
| \20CB3                    | 3,122        | 624       | 1,124     | 109    | 62        | 1     | 0      | 312       |                        | 888       |
| 04L                       | 30,319       | 6,973     | 7,883     |        | 606       | 14    | 0      | 3,032     |                        | 11,811    |
| NCO 600                   | 6,395        | 959       | 4,604     | 32     | 64        | 3     | 0      | 639       |                        | 93        |
| NCO 625                   | 30,630       | 4,595     | 22,054    | 153    | 306       | 14    | 0      | 3,063     |                        | 446       |
| NCO 800                   | 3,072        | 461       | 2,212     | 15     | 31        | 1     | 0      | 307       |                        | 45        |
| NCO 825                   | 1,719        | 258       | 1,238     | 9      | 17        | 1     | 0      | 172       |                        | 25        |
| VICKEL 200                | 0            | 0         | 0         | 0      | 0         | 0     | 0      | 0         |                        | 20        |
| 0-10 CUNI                 | 522,520      | 78,378    | 376,214   | 2,613  | 5,225     | 235   | 0      | 52,252    |                        | 7,603     |
| '0-30 CUNI                | 190,188      | 28,528    | 136,935   | 951    | 1,902     | 86    | 0      | 19,019    |                        | 2,767     |
| ITANIUM                   | 329          | 49        | 237       | 2      | 3         | 0     | 0      | 33        |                        | 2,707     |
| 061 ALUM                  | 2,499        | 375       | 1,799     | 12     | 25        | 1     | 0      | 250       | ·                      | 36        |
| 086 ALUM                  | 0            | 0         | 0         | 0      | 0         | 0     | 0      | 0         |                        | <u> </u>  |
| OTHER ALUM                | 377          | 57        | 271       | 2      | 4         | 0     | 0      | 38        |                        |           |
| VERDUR 655                | 869          | 130       | 626       | 4      | 9         | 0     | 0      | 87        |                        | 13        |
| Totals For 3200           | 12,252,496   | 2,180,583 | 1,295,518 | 3.902  | 237,456   | 5,514 | 3,438  | 1,225,258 | 165,118                | 7,135,708 |

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| F304              | 61,171               | 11,622      | 5,505     |        | Manganese | ·        | Sulfur | Silicon   | Molybdenum | Iron + Trace |       |
|-------------------|----------------------|-------------|-----------|--------|-----------|----------|--------|-----------|------------|--------------|-------|
| 304H              | 01,171               | 11,022      | 5,505     |        | 612       |          | 18     | 6,117     |            | 37,268       |       |
| Г304L             | 3,124,411            | 593,638     | 281,197   |        | 0         |          | 0      | 0         |            | 0            |       |
| T316              | 338,865              | 57,607      | 40,664    |        | 31,244    | 1,406    | 937    | 312,441   |            | 1,903,547    |       |
| 1316 (.04 MIN CA  | ARBON )              | 07,007      | 40,004    |        | 3,389     | 152      | 102    | 33,887    | 8,472      | 194,593      |       |
| T316L             | 911,905              | 155,024     | 18,603    |        | 0         | <u> </u> | 0      | 0         | 0          | 0            |       |
| T316L (2.75% MC   | 240,101              | 40,817      | 4,898     |        | 9,119     | 410      | 274    | 91,190    | 22,798     | 614,487      |       |
| 317L              | 64,013               | 12,163      | 8,962     |        | 2,401     | 108      | 72     | 24,010    | 6,603      | 161,192      |       |
| T309              | 07,010               | 12,103      | 0,902     |        | 640       |          | 19     | 6,401     | 2,240      | 33,559       |       |
| T310S             | 20,584               | 5,146       |           |        | 0         | 0        | 0      | 0         |            | 0            |       |
| 321               | 20,004               | 0,146       | 2,882     |        | 206       | 9        | 6      | 2,058     |            | 10,276       |       |
| 347               |                      | 0           | 0         |        | 0         | 0        | 0      | 0         |            | 0            |       |
| IAST 276          | 8,868                | 1,774       |           |        | 0         | 0        | 0      | 0         |            | 0            |       |
| ALLOY 20          | 0,000                | 1,774       | 5,143     |        | 89        | 4        | 0      | 887       |            | 971          |       |
| OTHER HAST        |                      | 0           | 0         | 0      | 0         | 0        | 0      | 0         |            | 0            |       |
| \20CB3            | 4,370                | 874         |           | 0      | 0         | 0        | 0      | 0         |            | 0            |       |
| 904L              | 3,051                | 702         | 1,573     | 153    | 44        | 2        | 0      | 437       |            | 1,287        |       |
| NCO 600           | 3,001                |             | 793       | 15     | 31        | 1        | 0      | 305       |            | 1,204        |       |
| VCO 625           |                      | 0           | 0         | 0      | 0         | 0        | 0      | 0         |            | ō            |       |
| NCO 800           |                      | 0           | 0         | 0      | 0         | 0        | 0      | 0         |            | 0            |       |
| NCO 825           |                      | 0           | 0         | 0      | 0         | 0        | 0      | 0         |            | 0            |       |
| VICKEL 200        |                      | 0           | 0         | 0      | 0         | 0        | 0      | 0         |            | 0            |       |
| 0-10 CUNI         | 13,910               | 2,087       | 0         | 0      | 0         | 0        | 0      | 0         |            | 0            |       |
| 0-30 CUNI         | 532                  | 2,087<br>80 | 10,015    | 70     | 139       | 6        | 0      | 1,391     |            | 202          |       |
| TANIUM            | 302                  | 0           | 383       | 3      | 5         | 0        | 0      | 53        |            | 8            |       |
| 061 ALUM          |                      | 0           | 0         | 0      | 0         | 0        | 0      | 0         |            | 0            |       |
| 086 ALUM          |                      | 0           | 0         | 0      | 0         |          | 0      | 0         |            | 0            |       |
| THER ALUM         |                      | 0           | 0         | 0      | 0         |          | 0      | 0         |            | 0            |       |
| VERDUR 655        |                      |             | 0         | 0      | 0         | 0        | 0      | 0         |            | 0            |       |
| antalum           | 114                  | 0<br>17     | 0         | 0      | 0         | 0        | 0      | 0         |            | 0            |       |
| Totals            | 4,791,894            |             | 82        | 1]     | 1         | 0        | 0      | 11        |            | 2            |       |
|                   | Total Pounds         | 881,550     | 380,701   | 241    | 47,919    | 2,156    | 1,428  | 479,189   | 40,112     | 2,958,597    | 4,79  |
|                   |                      | Chromium    |           | Copper | Manganese |          | Sulfur | Silicon   | Molybdenum | . ,          | .,. 0 |
|                   | 17,044,391           | 3,062,132   | 1,676,219 | 4,143  | 285,375   | 7,670    | 4,866  | 1,704,448 | •          | 10,094,306   | 17,04 |
| iaximum Amount    | 2,840,732            | 510,355     | 279.370   | 691    | 47,563    | 1,278    | 014    | 004077    |            |              |       |
| rea Affected by A | All Processing Metho |             |           | .551   | 77,505    | . 1,210  | 811    | 284,075   | 34,205     | 1,682,384    |       |
| •                 | 23,061               | 4,143       | 2,268     | 6      | 386       | 10       | 7      | 2,306     | 278        | 13,657       |       |
|                   | % of Total Above     | 17.97%      | 9.83%     | 0.02%  | 1.67%     | 0.05%    | 0.03%  | 10.00%    | 1.20%      | 59.22%       | 100   |

## DATA FOR EPA FORM R 2002

| 3200 Shop        | Total Pounds | Chromium                                      | Nickel    | Copper | Managanasa    | DI.   |        |           |            | Iron +    |
|------------------|--------------|---|-----------|--------|---------------|-------|--------|-----------|------------|-----------|
| T304             | 1,967,989    | 373,918                                       | 177,119   | Cobbei | Manganese     |       | Sulfur | Silicon   | Molybdenum | Trace     |
| T304H            | 58,370       | 11,090  | 5,253     |        | 39,360        |       | 590    | 196,799   |            | 1,179,317 |
| T304L            | 2,970,628    | 564,419                                       | 267,356   |        | 1,167         | 26    | 18     | 5,837     |            | 34,978    |
| T316             | 948,006      | 161,161                                       | 113,761   |        | 59,413        | 1,337 | 891    | 297,063   |            | 1,780,149 |
| T316 (.04 MIN CA | 29,074       | 4,943   | 593       |        | 18,960        | 427   | 284    | 94,801    | 23,700     | 534,913   |
| T316L            | 4,847,161    | 824,017                                       | 98,882    |        | 581<br>96,943 | 13    | 9      | 2,907     | 727        | 19,301    |
| T316L (2.75% MC  | 88,654       | 15,071  | 1,809     |        | 1,773         | 2,181 | 1,454  | 484,716   | 121,179    | 3,217,788 |
| T317L            | 487,840      | 92,690  | 68,298    |        | 9,757         | 40    | 27     | 8,865     | 2,438      | 58,632    |
| T309S            | 0.           | 0   | 0         |        | 9,737         | 220   | 146    | 48,784    | 17,074     | 250,871   |
| T310S            | 176          | 44  | 25        |        | <u>U</u>      | 0     | 0      | 0         |            | 0         |
| T321             | 56,601       | 10,754  | 6,226     |        | 1 100         | 0     | 0      | 26        |            | 77        |
| T347             | 5,210        | 938   | 573       |        | 1,132         | 25    | 17     | 5,660     |            | 32,786    |
| HAST 276         | 691          | 138   | 401       |        | 104           | 2     | 2      | 521       |            | 3,070     |
| ALLOY 20         | 43           | 9   | 16        |        | <u>/</u>      | 0     | 0      | 69        |            | 76        |
| OTHER HAST       | 15           | 3   | 9         |        | 0             | 0     | 0      | 4         |            | 13        |
| A20CB3           | 3,122        | 624   | 1,124     | 109    | 0             | 0     | 0      | 2         |            | 1         |
| 904L             | 30,319       | 6,973   | 7,883     | 109    | 62            | 1     | 0      | 312       |            | 888       |
| INCO 600         | 6,395        | 959   | 4,604     | 32     | 606           | 14    | 0      | 3,032     |            | 11,811    |
| INCO 625         | 30,630       | 4,595   | 22,054    | 153    | 64            | 3     | 0      | 639       |            | 93        |
| INCO 800         | 3,072        | 461   | 2,212     | 155    | 306           | 14    | 0      | 3,063     |            | 446       |
| INCO 825         | 1,719        | 258   | 1,238     |        | 31            | 1     | 0      | 307       |            | 45        |
| NICKEL 200       | 0            | 0   | 1,200     | 9      | 17            | 1     | 0      | 172       |            | 25        |
| 90-10 CUNI       | 522,520      | 78,378  | 376,214   |        | 0             | 0     | 0      | 0         |            | 0         |
| 70-30 CUNI       | 190,188      | 28,528  | 136,935   | 2,613  | 5,225         | 235   | 0      | 52,252    |            | 7,603     |
| TITANIUM         | 329          | 49  | 237       | 951    | 1,902         | 86    | 0      | 19,019    |            | 2,767     |
| 6061 ALUM        | 2,499        | 375   | 1,799     | 2      | 3             | 0     | 0      | 33        |            | 5         |
| 5086 ALUM        | 2, 100       | 0/3   | 1,799     | 12     | 25            |       | 0      | 250       |            | 36        |
| OTHER ALUM       | 377          | 57  | 271       |        | 0             | 0     | 0      | 0         |            | 0         |
| EVERDUR 655      | 869          | 130   | 626       | 2      | 4             | 0     | 0      | 38        |            | 5         |
| Totals For 3200  | 12,252,496   | 2,180,583                                     | 1,295,518 | 3,902  | 9             | 0     | 0      | 87        |            | 13        |
|                  | -,, 100      | <u>_,</u> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | 1,200,010 | 3,902  | 237,456       | 5,514 | 3,438  | 1,225,258 | 165,118    | 7,135,708 |

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| Γ304            | 61,171               | 11,622         | 5,505           |        | Manganese<br>612 | 28         | Sulfur<br>18                            | Silicon<br>6,117 | Molybdenum  |              |           |
|-----------------|----------------------|----------------|-----------------|--------|------------------|------------|---|------------------|-------------|--------------|-----------|
| 304H            |                      | 0              | 0,000           |        | 0 0              | 0          | 0                                       | 0,117            |             | 37,268       |           |
| 304L            | 3,124,411            | 593,638        | 281,197         |        | 31,244           | 1,406      | 937                                     | 312,441          |             | 1,903,547    |           |
| 316             | 338,865              | 57,607         | 40,664          |        | 3,389            | 152        | 102                                     | 33,887           | 8,472       | ***          |           |
| 316 (.04 MIN CA | (RBON )              | 0              | 0               |        | 0                | 0          | 0                                       | 00,007           | 0,472       | 194,593      |           |
| 7316L           | 911,905              | 155,024        | 18,603          |        | 9,119            | 410        | 274                                     | 91,190           | 22,798      | 614,487      |           |
| 316L (2.75% MC  | 240,101              | 40,817         | 4,898           | i      | 2,401            | 108        | 72                                      | 24,010           | 6,603       | 161,192      |           |
| 317L            | 64,013               | 12,163         | 8,962           |        | 640              | 29         | 19                                      | 6,401            | 2,240       | 33,559       |           |
| 309             |                      | 0              | 0               |        | 0                | 0          | 0                                       | 0,401            |             | 33,339       |           |
| 3108            | 20,584               | 5,146          | 2,882           |        | 206              | 9          | 6                                       | 2,058            |             | 10,276       |           |
| 321             |                      | 0              | 0               |        | 0                | 0          | 0                                       | 2,000            |             | 10,276       |           |
| 347             |                      | 0              | 0               |        | 0                | 0          | o                                       | 0                |             | <del>\</del> |           |
| HAST 276        | 8,868                | 1,774          | 5,143           |        | 89               | 4          | 0                                       | 887              |             | 971          |           |
| ILLOY 20        |                      | 0              | Ō               | 0      | 0                | 0          | 0                                       | 007              |             | 7/1          |           |
| OTHER HAST      |                      | 0              | 0               | 0      | 0                | 0          | 0                                       | 0                |             |              |           |
| \20CB3          | 4,370                | 874            | 1,573           | 153    | 44               | 2          | 0                                       | 437              |             | 1,287        |           |
| 04L             | 3,051                | 702            | 793             | 15     | 31               | 1          | 0                                       | 305              |             | 1,204        |           |
| NCO 600         |                      | 0              | 0               | 0      | 0                | 0          | 0                                       | 0                |             | 1,204        |           |
| NCO 625         |                      | 0              | 0               | 0      | 0                | 0          | 0                                       | 0                | <del></del> |              |           |
| NCO 800         |                      | 0              | 0               | 0      | 0                | 0          | 0                                       | 0                |             |              |           |
| NCO 825         |                      | 0              | 0               | 0      | 0                | 0          | Ö                                       | 0                |             |              |           |
| NICKEL 200      |                      | 0              | 0               | 0      | 0                | 0          | 0                                       | 0                | [           | 0            |           |
| 0-10 CUNI       | 13,910               | 2,087          | 10,015          | 70     | 139              | 6          | ō                                       | 1,391            |             | 202          |           |
| 0-30 CUNI       | 532                  | 80             | 383             | 3      | 5                | 0          | 0                                       | 53               |             | 8            |           |
| TTANIUM         |                      | 0              | 0               | 0      | 0                | 0          | 0                                       | 0                |             | 0            |           |
| 061 ALUM        |                      | 0              | 0               | 0      | 0.               | 0          | 0                                       | 0                |             | 0            |           |
| 086 ALUM        |                      | 0              | 0               | 0      | 0                | 0          | 0                                       | 0                |             | 0            |           |
| OTHER ALUM      |                      | 0              | 0               | 0      | 0                | 0          | 0                                       | 0                |             | 0            |           |
| VERDUR 655      |                      | 0              | 0               | 0      | 0                | 0          | 0                                       | 0                |             | 0            |           |
| antalum         | 114                  | 17             | 82              | 1      | 1                | 0          | 0                                       | 11               |             | 2            |           |
| Totals          | 4,791,894            | 881,550        | 380,701         | 241    | 47,919           | 2,156      | 1,428                                   | 479,189          | 40,112      | 2,958,597    | 4,791,89  |
|                 | Total Pounds         | Chromium       | Nickel          | Copper | Manganese        | Phosphorus | Sulfur                                  | Silicon          | Molybdenum  |              | .,,       |
|                 | 17,044,391           | 3,062,132      | 1,676,219       | 4,143  | 285,375          | 7,670      | 4,866                                   | 1,704,448        |             | 10,094,306   | 17,044,39 |
| laximum Amoun   | 2,840,732            | 510,355        | 279,370         | 691    | 47,563           | 1,278      | . 811                                   | 284,075          | 34,205      | 1,682,384    |           |
| rea Affected by | All Processing Metho | ods (Approxima | le 1/16" strip) |        | ,                | .,         | • | 201,010          |             | 1,002,004    |           |
|                 | 23,061               | 4.143          |                 | 6      | 386              | 10         | 7                                       | 2,306            | 278         | 13,657       |           |
|                 | % of Total Above     | 17.97%         | 9.83%           | 0.02%  | 1.67%            | 0.05%      | 0.03%                                   | 10.00%           | 1.20%       | 59.22%       | 100.00    |

8113 West Sherman Street Tolleson, Arizona 85353-4025 Tel: 602.233.9166 Fax: 623.936.9164

February 19, 2003

Mr. Gerald Thompson Environmental Assistant Alaskan Copper Works P.O. Box 3546 Seattle, WA 98124-3546

Dear Mr. Thompson:

In accordance with the requirements of the Washington State Department of Ecology, World Resources Company (WRC) is happy to provide you with the following information needed to determine the exact amount of Alaskan Copper Works material recycled by WRC during the 2002 calendar year.

WRC is aware that the State of Washington requires a copy of the recycling credit documentation. In the past, Ms. Holly Sullivan at the Department of Ecology has been receptive to a copy of this letter as sufficient proof of recycling credit documentation.

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The following information is provided for use in your submittal:

Total Wet Tons Received:

Average Percent Solids: 86.76

Total Dry Tons: 29.04

Total Percentage Recycled: 100% less 13.24% moisture

After consultation with WRC corporate, technical, and legal personnel, it appears that the Form Code of B306 (if lime or hydroxide is used to precipitate your metals) or B319 (other waste inorganic solids) might be appropriate choices to be used in preparing your submission. These codes are from the Washington Department of Ecology Book 2 Guidebook and Codes. Additionally, the system code of M014 (other metals recovery for reuse) would be applicable to WRC's recycling process. WRC expands on the M014 description with "thermal concentration and compounding to produce metal concentrate products via an industrial process," which best describes WRC's recyclable material management.

Please be advised that in accordance with 40 CFR 262.11, the ultimate decision as to the classification of the hazardous waste (e.g., the Form Code) rests with the generator. The views expressed by WRC herein, should not be considered as legal advice or substituted for the more accurate generator's technical knowledge or laboratory analysis of the recyclable materials and the generation process used.

If you have any questions regarding this information, please contact me at (602) 233-9166, ext. 206.

Sincerely,

**WORLD RESOURCES COMPANY** 

Jack Fahey

Director of Environmental, Health & Safety Affairs

ISO 9001 SGS



| A COMMERCIAL GENERAL LIABILITY  X CLAIMS MADE OCCUR  AUTOMOBILE LIABILITY X ANY AUTO  ALL OWNED AUTOS X NON-OWNED AUTOS X NON-OWNED AUTOS X MCS-90 Endorsement  FIRE DAMAGE (Any one fire) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ 1,0 GENERAL AGGREGATE \$ 2,0 PRODUCTS - COMP/OP AGG \$ 2,0  COMBINED SINGLE LIMIT \$ 1,0 BODILY INJURY (Per person) \$  COMBINED SINGLE LIMIT \$ 1,0 BODILY INJURY (Per accident) \$  COMBINED SINGLE LIMIT \$ 1,0 BODILY INJURY (Per accident) \$  COMBINED SINGLE LIMIT \$ 1,0 BODILY INJURY (Per accident) \$  COMBINED SINGLE LIMIT \$ 1,0 BODILY INJURY (Per accident) \$  COMBINED SINGLE LIMIT \$ 1,0 BODILY INJURY (Per accident) \$  COMBINED SINGLE LIMIT \$ 1,0 BODILY INJURY (Per accident) \$  COMBINED SINGLE LIMIT \$ 1,0 BODILY INJURY (Per accident) \$  COMBINED SINGLE LIMIT \$ 1,0 BODILY INJURY (Per accident) \$  COMBINED SINGLE LIMIT \$ 1,0 BODILY INJURY (Per accident) \$ 1,0 BODILY INJURY (PER accident | 16                         |
|---|----------------------------|
| INSURER AFFORDING COVERAGE  INSURER A: Chubb Insurance Company INSURER B: Gulf Insurance Company INSURER B: Gulf Insurance Company INSURER C: Commerce & Industry Insurance Co. INSURER C: INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURER D: INSURER D: INSURER D: INSURER D: INSURANCE AFFORDED BY THE POLICIES OF INSURANCE AFFORDED BY THE POLICIES AFFORDED BY THE POLICIES AFFORDED BY THE POLICIES AFFORDED BY THE POLICIES OF INSURANCE AFFORDED BY THE POLICIES AFFORDED BY THE P  | 00,000<br>50,000<br>00,000 |
| 1600 Anderson Road McLean, VA 22102  INSURER B: Gulf Insurance Company INSURER C: Commerce & Industry Insurance Co. INSURER D: INSURCE D: INSUR  | 00,000<br>50,000<br>00,000 |
| 1600 Anderson Road McLean, VA 22102  INSURER B: Gulf Insurance Company INSURER B: Commerce & Industry Insurance Co. INSURER B: INSURE B: INSURER B: INSURER B: INSURER B: INSURER B: INSURER B: INSURE BEAUTH OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN. THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH TOLICIES AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.  NSR TYPE OF INSURANCE POLICY NUMBER POLICY EXPERTING POLICY EXPIRATION DATE (MMODAYY) DATE (MMODAYY)  A CLAIMS MADE OCCUR  A CLAIMS MADE OCCUR  A CLAIMS MADE OCCUR  A LIAUTOMOBILE LIABILITY  A NY AUTO ALL OWNED AUTOS  A LIAUTOMOBILE LIABILITY  A NY AUTO A LIAUTOMOBILE LIABILITY  A NY AUTO A LIAUTOMOBILE LIABILITY  A NY AUTO A LIAUTOMOBILE DATOS  Y HIRED AUTOS  X HIRED AUTOS  A MCS-90 Endorsement  INSURER B: Gulf Insurance Commerce & Industry Insurance Co.  INSURER B: INSURER B: INSURER B: INSURED LIAUT INSU  | 00,000<br>50,000<br>00,000 |
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| B X HIRED AUTOS  X NON-OWNED AUTOS  X MCS-90 Endorsement  GARAGE LIABILITY  ANY AUTO  ANY AUTO  |                            |
| X MCS-90 Endorsement  PROPERTY DAMAGE (Per accident)  GARAGE LIABILITY  ANY AUTO  ANY AUTO  |                            |
| GARAGE LIABILITY  ANY AUTO  ANY AUTO  |                            |
| ANY AUTO  |                            |
| OTHER THAN AUTO ONLY:  AGG \$   |                            |
| 70727021000   | 00,000                     |
|   | 0,000                      |
|   |                            |
| DEDUCTIBLE  |                            |
| RETENTION \$  |                            |
| WORKERS COMPENSATION AND WC9690711 02/01/2003 02/01/2004 X WC STATU-TORY LIMITS OTH-ER  |                            |
| Line Edit Charles   | 0,000                      |
|   | 0,000                      |
| E.L. DISEASE - POLICY LIMIT \$ 5  | 0,000                      |
| A Pollution Liability 37250705 02/01/2001 02/01/2004 \$10,000,000 / \$40,000,0  |                            |



## WORLD RESOURCES COMPANY

Form FM-M01

| REC   | CYCLABLE M.   | ATERIAL PI   | ROFILE                              | <b>EXHIBIT A</b>                       |
|---|---|--|-------------------------------------|--|
| A. Generator Information:                                 |   | Con  | npany I.D. Number                   | r: W2149A                              |
| 1. Generator: Alaskan Copper V 2. Address: P. O. Box 3546 | Vorks   | 4. Material EPA  | Waste Code:                         | F006                                   |
| Seattle, WA 981   | 24-3546   | 5. Generator's E   | PA I.D. Number:                     | WAD980738546                           |
| 3. Contact: Mr. Gerald Thomp Title: Environmental As      |   | 6. Generator's S   | State I.D. Number:                  |  |
| B. Recyclable Material Characterist                       |   |  |                                     |  |
| 1 Color(c):   | 6. Texture similar to:                              | 7. Appearance  | 9. Free Liquids                     | Present:                               |
| Brown   | X Wet Clay  | X Homogeneous  | (EPA SW 846,<br>Method 9095)        | X No Yes                               |
| 2. Odor:  | Dry Clay  | Bilayered  | 10. Debris<br>Present               | 11. Reactivity                         |
| X None Mild Strong  Description of Odor:                  | Powder  | Multilayered   | X No                                | X Not Reactive                         |
|   | Other   |  | Yes                                 | Reactive                               |
| 3. Moisture:  X Wet Damp Dry                              | 8. Organic Vapors  X Not Present                    | Present  | 12. Radionuclide<br>(ASTM D5928-96) |  |
| Percent Solids: 23.90                                     | (<1 ppm)  If present, identify co amount (ppm wet): |  | X Not Detecte                       | d Detected                             |
| 4. pH 5. Ignitability (40 CFR §261.21)                    | amount (ppm wet).                                   |  | 13. Cyanide Gas HCN:                |  |
| Method 9040/9045) X Pass                                  |   |  | X Not Detecte                       | d                                      |
| pH:8.65   | X Pass  | ☐ Fail   | Detected .                          | ppm                                    |
| C. Analytical Data:                                       | (Content on a dry weigh                             | nt basis in ppm or %)  |                                     |  |
| Constituent *   | Content   | Constit  | uent *                              | Content                                |
| 1. Aluminum Al  | 8179 ppm  | 19. Magnesiu   | m <sup>2</sup> Mg                   | 2376 ppm                               |
| 2. Antimony <sup>1</sup> Sb                               | 28 ppm  | 20. Manganes   | se <sup>1</sup> Mn                  | 6201 ppm                               |
| 3. Arsenic As   | 83.0 ppm  | 21. Mercury <sup>3</sup>   | Hg                                  | 21.00 ppm                              |
| 4. Barium <sup>1</sup> Ba                                 | 103 ppm   | 22. Nickel <sup>1</sup>  | Ni                                  | 78877 ppm                              |
| 5. Beryllium <sup>1</sup> Be                              | < 10.00 ppm   | 23. Selenium <sup>1</sup>  | Se                                  | < 50.0 ppm                             |
| 6. Bismuth <sup>1</sup> Bi                                | 16 ppm  | 24. Silver 1   | Ag                                  | < 5 ppm                                |
| 7. Cadmium¹ Cd  | < 10.0 ppm  | 25. Thallium <sup>4</sup>  | TI                                  | < 25.0 ppm                             |
| 8. Calcium Ca   | 12397 ppm   | 26. Tin <sup>1</sup>   | Sn                                  | < 100 ppm                              |
| 9. Chloride <sup>7</sup> Cl                               | 0.08 %  | 27. Zinc <sup>1</sup>  | Zn                                  | 924 ppm                                |
| 10. Chromium, Hexavalent <sup>5</sup> Cr <sup>+6</sup>    | 4150.0 ppm  |  |                                     |  |
| 11. Chromium, Total <sup>1</sup> Cr                       | 59848 ppm   | Analytical Procedure I   | Poforonoos                          |  |
| 12. Cobalt <sup>1</sup> Co                                | 799 ppm   |  |                                     | ************************************** |
| 13. Copper <sup>1</sup> Cu                                | 59357 ppm   | <ul><li>1 EPA Method SW846 3050</li><li>2 EPA Method SW846 3050</li></ul>    | 7 7450 or 6010 (Digestion / Analys  | sis)<br>n / Analysis)                  |
| 14. Cyanide, Amenable <sup>6</sup> CN                     | 0 ppm   | 3 EPA Method SW846 3050  | / Hydride generation (Dig           | estion / Analysis)                     |
| 15. Cyanide, Total <sup>6</sup> CN                        | < 42.0 ppm  | 4 EPA Method SW846 3050  |                                     |  |
| 16. Fluoride <sup>7</sup> F                               | 0.47 %  | <ul> <li>5 EPA Method SW846 1311</li> <li>6 EPA Method SW846 9010</li> </ul> |                                     | n / Analysis)                          |
| 17. Iron <sup>1</sup> Fe                                  | 267744 ppm  | 7 HNO3 or H2O2 / EPA Meth  |                                     | on / Analysis)                         |
| 18. Lead <sup>1</sup> Pb                                  | 161 ppm   |  |                                     |  |
| D. Certification:   |   |  |                                     |  |
| hereby certify that all information subm                  | itted in this profile is comp                       | olete and accurate to the  | ne best of my know                  | ledge and belief.                      |
| Signed:   | · ·   | Date:  | 05/07/2003                          |  |
| Title:Laborate  | ory Manager   |  | ·                                   |  |

8113 West Sherman Street Tolleson, Arizona 85353-4025 Tel: 602.233.9166 Fax: 623.936.9164

February 19, 2003

Mr. Gerald Thompson Environmental Assistant Alaskan Copper Works P.O. Box 3546 Seattle, WA 98124-3546

Dear Mr. Thompson:

In accordance with the requirements of the Washington State Department of Ecology, World Resources Company (WRC) is happy to provide you with the following information needed to determine the exact amount of Alaskan Copper Works material recycled by WRC during the 2002 calendar year.

WRC is aware that the State of Washington requires a copy of the recycling credit documentation. In the past, Ms. Holly Sullivan at the Department of Ecology has been receptive to a copy of this letter as sufficient proof of recycling credit documentation.

The following information is provided for use in your submittal:

Total Wet Tons Received:

9.80

Average Percent Solids:

24.96

Total Dry Tons:

2.44

Total Percentage Recycled:

100% less 75.04% moisture

After consultation with WRC corporate, technical, and legal personnel, it appears that the Form Code of B306 (if lime or hydroxide is used to precipitate your metals) or B319 (other waste inorganic solids) might be appropriate choices to be used in preparing your submission. These codes are from the Washington Department of Ecology Book 2 Guidebook and Codes. Additionally, the system code of M014 (other metals recovery for reuse) would be applicable to WRC's recycling process. WRC expands on the M014 description with "thermal concentration and compounding to produce metal concentrate products via an industrial process," which best describes WRC's recyclable material management.

Please be advised that in accordance with 40 CFR 262.11, the ultimate decision as to the classification of the hazardous waste (e.g., the Form Code) rests with the generator. The views expressed by WRC herein, should not be considered as legal advice or substituted for the more accurate generator's technical knowledge or laboratory analysis of the recyclable materials and the generation process used.

If you have any questions regarding this information, please contact me at (602) 233-9166, ext. 206.

Sincerely,

WORLD RESOURCES COMPANY

Jack Fahey

Director of Environmental, Health & Safety Affairs

ISO 9001 ses





## WORLD RESOURCES COMPANY

Form FM-M01

|                                     | REC                  | CYCLABLE M                   | ATERIAL PI   | ROFILE   | EXHIBIT A                 |
|-------------------------------------|----------------------|------------------------------|--|--|---------------------------|
| A. Generator Info                   | rmation:             |                              | Con  | npany I.D. Numbe                                       | r: W2149A3                |
| 1. Generator:                       | Alaskan Copper V     | Vorks                        | 4. Material EPA  | Waste Code:  | D007                      |
| 2. Address:                         | P. O. Box 3546       | 0.4.05.40                    |  |  |                           |
|                                     | Seattle, WA 981      | 24-3546                      | 5. Generator's E   | EPA I.D. Number:                                       | WAD980738546              |
| 3. Contact:                         | Mr. Gerald Thomp     | son                          | 6. Generator's S   | State I.D. Number:                                     |                           |
| Title:                              | Environmental As     |                              | · · · · · · · · · · · · · · · · · · ·  |  |                           |
| B. Recyclable Ma                    | terial Characterist  | - <del></del>                |  |  |                           |
| 1. Color(s): Bro                    | own                  | 6. Texture similar to:       | 7. Appearance  | 9. Free Liquids<br>(EPA SW 846,                        |                           |
|                                     |                      | X Wet Clay                   | X Homogeneous  | Method 9095)   | X No Yes                  |
| 2. Odor:                            |                      | Dry Clay                     | Bilayered  | 10. Debris   | 11. Reactivity            |
| X None Mil                          | ld 🔲 Strong          | Sand                         | bliayeled  | Present  |                           |
| Description of Odd                  | or:                  | Powder                       | Multilayered   | X No   | X Not Reactive            |
|                                     |                      | Other                        |  | Yes  | Reactive                  |
| 3. Moisture:                        |                      | 8. Organic Vapors            |  | 12. Radionuclid  |                           |
| X Wet                               | Damp Dry             | X Not Present (<1 ppm)       | Present  | (ASTM D5928-96   |                           |
| Percent Solids:_                    | 85.60                | If present, identify c       | ompounds and   | X Not Detecte  | ed Detected               |
| 4. pH                               | 5. Ignitability      | amount (ppm wet):            |  | 13. Cyanide Gas  | \$                        |
| (EPA SW 846,<br>Method 9040/9045)   | (40 CFR §261.21)     |                              |  | HCN:   |                           |
| pH:8.83                             | X Pass               |                              |  | X Not Detecte  | ∍d                        |
|                                     | Fail                 | X Pass                       | Fail   | Detected   | ppm                       |
| C. Analytical Data                  |                      | (Content on a dry weig       |  |  |                           |
| Consti                              | tuent *              | Content                      | Constit  | iuent *  | Content                   |
| 1. Aluminum <sup>1</sup>            | Al                   | 31167 ppm                    | 19. Magnesiu   |  | 454 ppm                   |
| 2. Antimony <sup>1</sup>            | Sb                   | 28 ppm                       | 20. Manganes   | se <sup>1</sup> Mn                                     | 7876 ppm                  |
| 3. Arsenic                          | As                   | 68.0 ppm                     | 21. Mercury <sup>3</sup>   | Hg   | < 6.00 ppm                |
| 4. Barium <sup>1</sup>              | Ba                   | 20 ppm                       | 22. Nickel <sup>1</sup>  | Ni   | 99121 ppm                 |
| 5. Beryllium <sup>1</sup>           | Be                   | < 10.00 ppm                  | 23. Selenium   | <sup>1</sup> Se _                                      | < 50.0 ppm                |
| 6. Bismuth 1                        | Bi                   | 103 ppm                      | 24. Silver <sup>1</sup>  | Ag   | < 5 ppm                   |
| 7. Cadmium <sup>1</sup>             | Cd                   | < 10.0 ppm                   | 25. Thallium 4   | IT   | < 25.0 ppm                |
| 8. Calcium 1                        | Ca                   | 395 ppm                      | 26. Tin <sup>1</sup>   | Sn   | < 100 ppm                 |
| 9. Chloride                         | Cl                   | 0.12 %                       | 27. Zinc <sup>1</sup>  | Zn   | 2425 ppm                  |
| 10. Chromium, He                    |                      | 120.0 ppm                    |  |  | s 15                      |
| 11. Chromium, Tot                   | tal <sup>1</sup> Cr  | 120300 ppm                   | * Analytical Procedure   | Poforonoos   |                           |
| 12. Cobalt <sup>1</sup>             | Co                   | 1224 ppm                     | 1 EPA Method SW846 3050  |  | roio)                     |
| 13. Copper <sup>1</sup>             | Cu                   | 95099 ppm                    | <sup>2</sup> EPA Method SW846 3050   | ) / 7450 or 6010 (Digestion                            | n / Analysis)             |
| <ol><li>14. Cyanide, Amer</li></ol> |                      | 0 ppm                        | 3 EPA Method SW846 3050  | / Hydride generation (Dig                              | gestion / Analysis)       |
| 15. Cyanide, Total                  | <sup>6</sup> CN⁻     | < 12.0 ppm                   | <ul> <li>4 EPA Method SW846 3050</li> <li>5 EPA Method SW846 1311</li> </ul> |  |                           |
| 16. Fluoride 7                      | F                    | 0.02 %                       | 6 EPA Method SW846 9010  | Of 3000 / 7 196 (Extraction) (Distillation / Analysis) | m / Analysis)             |
| 17. Iron <sup>1</sup>               | Fe                   | 539288 ppm                   | 7 HNO3 or H2O2 / EPA Met   |  | on / Analysis)            |
| 18. Lead <sup>1</sup>               | Pb                   | 91 ppm                       |  | · · · · · · · · · · · · · · · · · · ·                  | · · · ·                   |
| D. Certification:                   |                      |                              |  |  |                           |
| I hereby certify that a             | all information subm | itted in this profile is com | plete and accurate to the  | ne best of my know                                     | /ledge and belief.        |
| Signed:                             | Care hos             |                              | Date:  | 05/07/2003   |                           |
| Title:                              | Laborate             | ory Manager                  | <del></del>  |  |                           |
| AZF004\\F21                         | Laborate             | o., managor                  | Converse @ 10  | 989 World Resources Com                                | opony - Found 4 00/00/100 |
|                                     |                      |                              | Copyright © 19   | OP WORD NESCURCES CON                                  | npany revised 09/20/00    |

8113 West Sherman Street Tolleson, Arizona 85353-4025

Tel: 602.233.9166 Fax: 623.936.9164

May 7, 2003

Mr. Gerald Thompson Environmental Assistant Alaskan Copper Works P. O. Box 3546 Seattle, WA 98124-3546

Dear Mr. Thompson:

Enclosed for your records is a completed "RECYCLABLE MATERIAL PROFILE" (profile sheet) for the material generated at your facility. In accordance with the recycling Agreement with your company, World Resources Company (WRC) provides a completed profile sheet each contract year.

The concentration of metals reported on the profile sheet is the total concentration of each metal on a dry basis. The recyclable material is prepared for analysis by first grid-sampling and then drying the selected sample in the laboratory oven at 103°-105° centigrade in order to obtain a homogeneous dry sample (Standard Methods For The Examination of Water and Wastewater, 15th Edition, published by the American Public Health Association 1980, Method 209A "Total Residue at 103°-105° centigrade"). Therefore, these results are generally higher than the concentrations of your material as it leaves your facility. You should multiply these dry concentrations by the decimal form of your percent solids (i.e. 50.0% = 0.50) to obtain the concentration of your material as it leaves your plant.

WRC appreciates your business and looks forward to a long and mutually beneficial recycling relationship. Please feel free to call me with any questions you may have regarding the enclosed profile sheet. Thank you for your interest in recycling.

Sincerely,

World Resources Company

Jason Hensley

Laboratory Manager





8113 West Sherman Street Tolleson, Arizona 85353-4025

Tel: 602.233.9166 Fax: 623.936.9164

May 7, 2003

Mr. Gerald Thompson Environmental Assistant Alaskan Copper Works P. O. Box 3546 Seattle, WA 98124-3546

Dear Mr. Thompson:

Enclosed for your records is a completed "RECYCLABLE MATERIAL PROFILE" (profile sheet) for the material generated at your facility. In accordance with the recycling Agreement with your company, World Resources Company (WRC) provides a completed profile sheet each contract year.

The concentration of metals reported on the profile sheet is the total concentration of each metal on a dry basis. The recyclable material is prepared for analysis by first grid-sampling and then drying the selected sample in the laboratory oven at 103°-105° centigrade in order to obtain a homogeneous dry sample (Standard Methods For The Examination of Water and Wastewater, 15th Edition, published by the American Public Health Association 1980, Method 209A "Total Residue at 103°-105° centigrade"). Therefore, these results are generally higher than the concentrations of your material as it leaves your facility. You should multiply these dry concentrations by the decimal form of your percent solids (i.e. 50.0% = 0.50) to obtain the concentration of your material as it leaves your plant.

WRC appreciates your business and looks forward to a long and mutually beneficial recycling relationship. Please feel free to call me with any questions you may have regarding the enclosed profile sheet. Thank you for your interest in recycling.

Sincerely,

World Resources Company

Jason Hensley

Laboratory Manager



